

Chemistry: Unit 1: Lab Safety & Techniques: Lab #4: Antoine Levoisier's Experiment

Purpose: To recreate Antoine Levoisier's experiment.

Hypothesis: What will happen to the candle when you put the flask over it?

Materials:

Metal pan, at least 2 inches deep
Water
Tea light candle
Lighter
1000 ml Erlenmeyer Flask

Procedure:

1. Add about 0.75 inches of water to the pan (about the depth of the candle).
2. Light the candle.
3. Put the candle in the water. It may float a little.
4. Put the flask over the candle and submerge it into the water.
5. Let the candle burn for a while.
- 6. Record your observations in your lab notebook.**
7. Answer the following questions:
 - a. Why did the candle do what it did?
 - b. What does this tell you about the composition of air?

Conclusion:

1. Was your hypothesis correct? Why or why not?
2. What did you learn while doing this lab? What was the purpose of this lab? How does it connect to what you are learning in this unit?
3. What went well and why?
4. What did not go well and why?
5. What were your sources of error? What could you have done to minimize your sources of error?